

XP-002156329

AN - 1982-79728E [38]

A - [001] 013 03- 04- 06- 075 09- 15- 226 231 265 273 301 32- 359 381 431
44& 448 466 47& 470 471 473 477 491 516 521 53& 54& 55& 57& 597 600
652 656 659 686 720

AP - JP19810012061 19810129

CPY - KAMK

DC - A97 G05 L03 P75 P78

FS - CPI;GMPI

IC - B41M1/34 ; B41M3/12 ; B44C3/02 ; C03C17/00

KS - 0034 0037 0042 0224 0229 0231 1282 2020 2198 2443 2449 2483 2493 2494
2498 2500 2536 2593 2728 2781 2812 3219 3220 3229 3252 3253 3267 3317

MC - A08-B01 A10-E05 A11-B05 A11-B06 A11-C04B A12-B05 G02-A05 G05-F L01-G04
L01-G09

PA - (KAMK) KAMAYA CHEM IND CO LTD

PN - JP57129842 A 19820812 DW198238 003pp

- JP1047415B B 19891013 DW198945 000pp

PR - JP19810012061 19810129

XIC - B41M-001/34 ; B41M-003/12 ; B44C-003/02 ; C03C-017/00

AB - J57129842 Brilliant metal-like raised letter and figure exhibiting
cubic effect are formed on the surface of a glass article e.g. glass
bottle etc. simply by printing letter and/or figure on the surface of
the glass article in heaped-up state with a printing ink. The ink is
composed mainly of a synthetic resin exhibiting excellent affinity and
stickiness to the glass, e.g. epoxy resin, foaming agent, e.g. NaHCO₃
and diazoaminobenzene, etc.

- The protruded printed part is heated to expand several times its
volume by foaming, followed by adjusting the heating temp. to dry and
make semi-hardened (practically non-sticky) protruded printed part,
pressing on a hot stamping foil to form a brilliant metal-like print
on the protruded printed part surface and finally heating the
brilliant metal foil-printed protruded part e.g. at 130-200 deg.C so
as to sinter.

AW - POLYEPOXIDE ALKYD SODIUM AMINOBENZENE MELAMINE POLYACRYLIC BI
CARBONATE RESIN

AKW - POLYEPOXIDE ALKYD SODIUM AMINOBENZENE MELAMINE POLYACRYLIC BI
CARBONATE RESIN

IW - DECORATE GLASS SURFACE METAL RAISE LETTER FIGURE FOAM INK FIGURE PRINT
SURFACE SEMI HARDEN STAMP HOT FOIL BRILLIANT METAL PRINT SINTER

IKW - DECORATE GLASS SURFACE METAL RAISE LETTER FIGURE FOAM INK FIGURE PRINT
SURFACE SEMI HARDEN STAMP HOT FOIL BRILLIANT METAL PRINT SINTER

NC - 001

OPD - 1981-01-29

ORD - 1982-08-12

PAW - (KAMK) KAMAYA CHEM IND CO LTD

TI - Decorating glass surface with metal-like raised letters, figures etc.

- by foaming ink figure printed on surface, semi-hardening, stamping
with hot foil to give brilliant metal-like print, and sintering